



EBASE

Project Estimating and
Bid Analysis System

Training Course



EBASE

What is it used for?



Supports Bid Item History based Estimating,

Creates and stores a Permanent Record and History that may be shared by many users Statewide.

Communicates Estimate and Bid Information to Crucial Dept Systems.

Provides reports use in keeping the Programs on Track, for Determining Lowest responsible bidder for Awards, and for Contract Payments.

Other Features provided by EBASE:

- ☞ Standard Item Table – accessible thorough EBASE or via the web.
- ☞ UBA – Unit Bid History – accessible thorough EBASE or via the web.
- ☞ EXCEL Export of bid items – Web feature

Supplemental Programs:

BID TABS PRO, BID TABS PLUS –

Information you will need for entry into EBASE and where you can find it



GENERAL INFO tab

Project Title -	Plan Review Liaison
PS&E Job Number -	Plan Review Liaison
Work Order Number -	CPMS / Program Management
Dollars Budgeted -	CPMS / Program Management
Const Eng. % -	EBASE User's Guide or Plans Prep Manual 800.03(2)
Contingency % -	EBASE User's Guide or Plans Prep Manual 800.03(2)

TEXT DATA tab

Project Remarks -	Final Project Definition Report EBASE User's Guide or EBASE Fundamentals (for type & Format)
Proposal Description -	EBASE User's Guide or EBASE Fundamentals (for type & Format)
Text Data -	EBASE User's Guide or EBASE Fundamentals (for type & Format)

FUNDING tab

Participants (Who is contributing dollars towards the construction of the project)	Fund Sources can be found by PIN in CPMS on the QC Screen. See the listed Finance Code – Federal Share Table at: http://wwwi.wsdot.wa.gov/Planning/CPDMO/FederalAid.htm or Maximum dollar Participation. ALSO check agreements for additional funding sources.
Federal-Aid number -	Program Mgmt (sub-program manager)

GROUPS tab

County –	TRIPS GEOMETRIC Report
Control Section –	TRIPS GEOMETRIC Report
Fund Number –	FUNDS Tab (create designations per EBASE Users Guide)
Group Desc. –	PROJECT SUMMARY (to determine where breaks occur)
Sub Program –	PROJECT SUMMARY
Program Item # (P.I.N.)	PROJECT SUMMARY
Fed. Work Type Code –	EBASE User's Guide
Safety Class Code –	EBASE User's Guide

Information you will need for entry into EBASE and where you can find it



COLUMNS tab

Group number -

Groups Tab

Column Heading -

Determine by Work to be completed and Column Break Rules
Plan Prep. Manual 460.04

BID ITEMS Tab

Bid Items and Quantities -

These will come from the Plans. i.e Qtabs, Structure Notes
Planting Plans , profiles etc.

Other Quantities such as Lump Sum, Calc. or Est. items will
come from the estimate workbook worksheets.

Resources you will need for entry into EBASE



Plan Office / Project Develop. Office resources

CPMS / Program Management

EBASE User's Guide

EBASE Fundamentals

Plans Prep Manual 830.03, 460.04

Agreements

TRIPS GEOMETRIC Report

PROJECT SUMMARY

Project Plans

L.S Calc. Sheets



How the Data entered in EBASE is Related

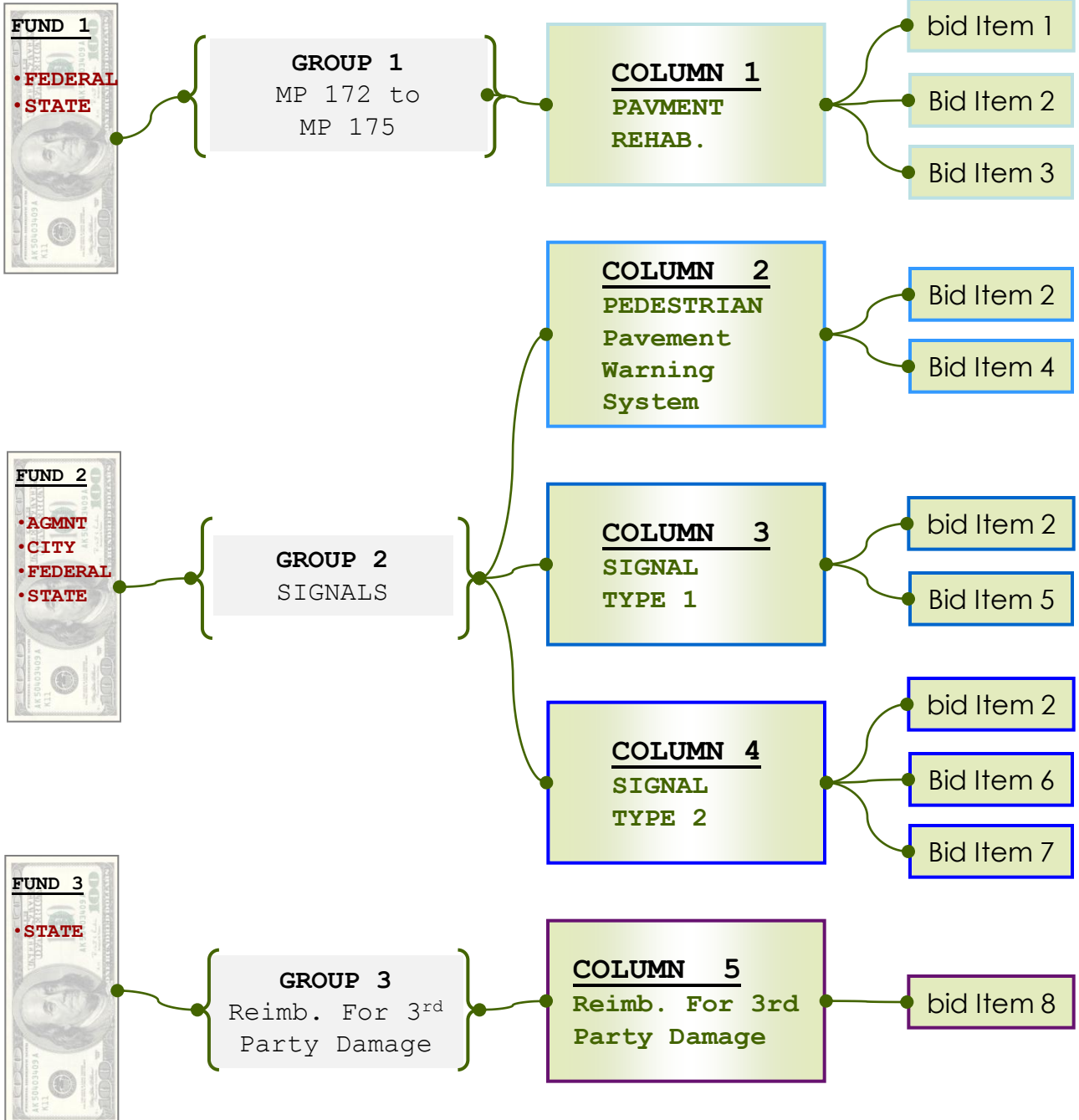


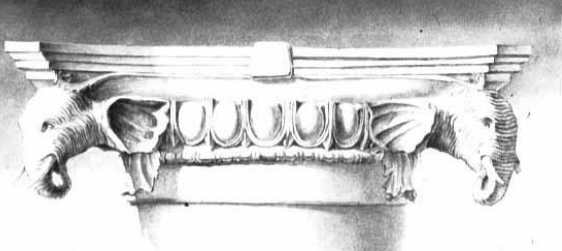
DATA FROM Funding TAB

DATA FROM GROUPS TAB

DATA FROM COLUMNS TAB

DATA FROM Bid Items TAB





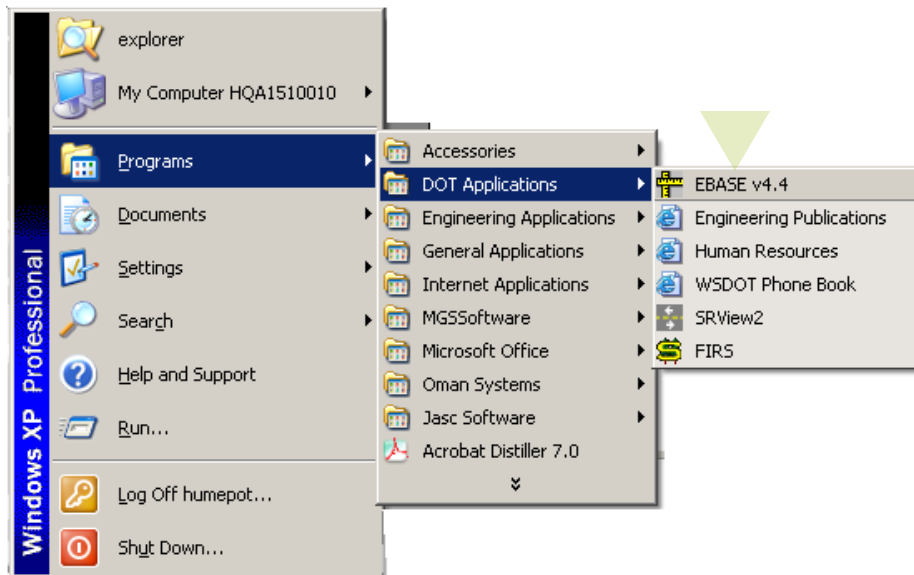
EBASE Training Exercise

General Estimate Entry

Getting Started

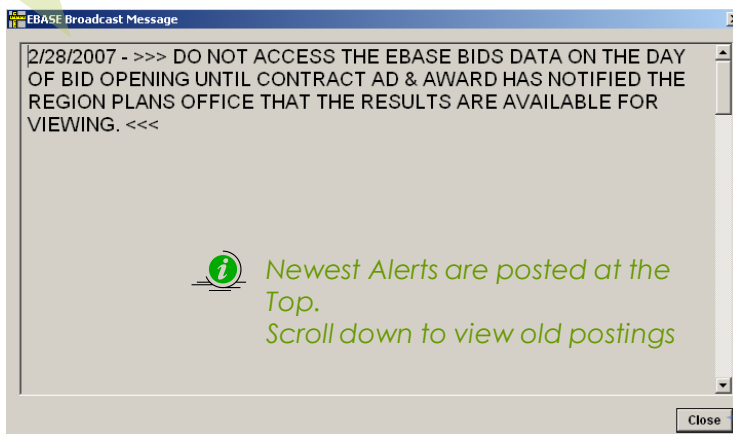
To begin, open the EBASE Application:

CLICK  and Select Programs\DOT Applications\EBASE



Read the EBASE Broadcast Message, This will have alert you of the latest news or Attention Items.

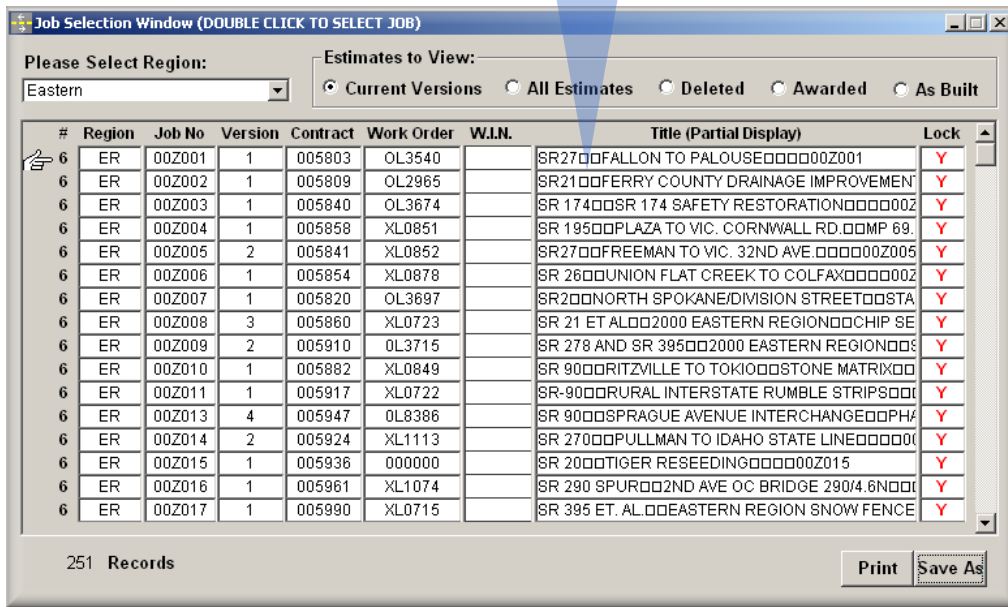
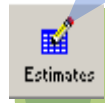
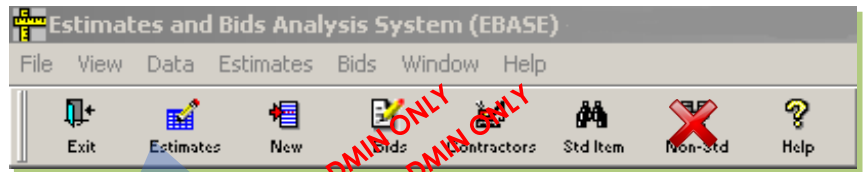
CLICK **Close**



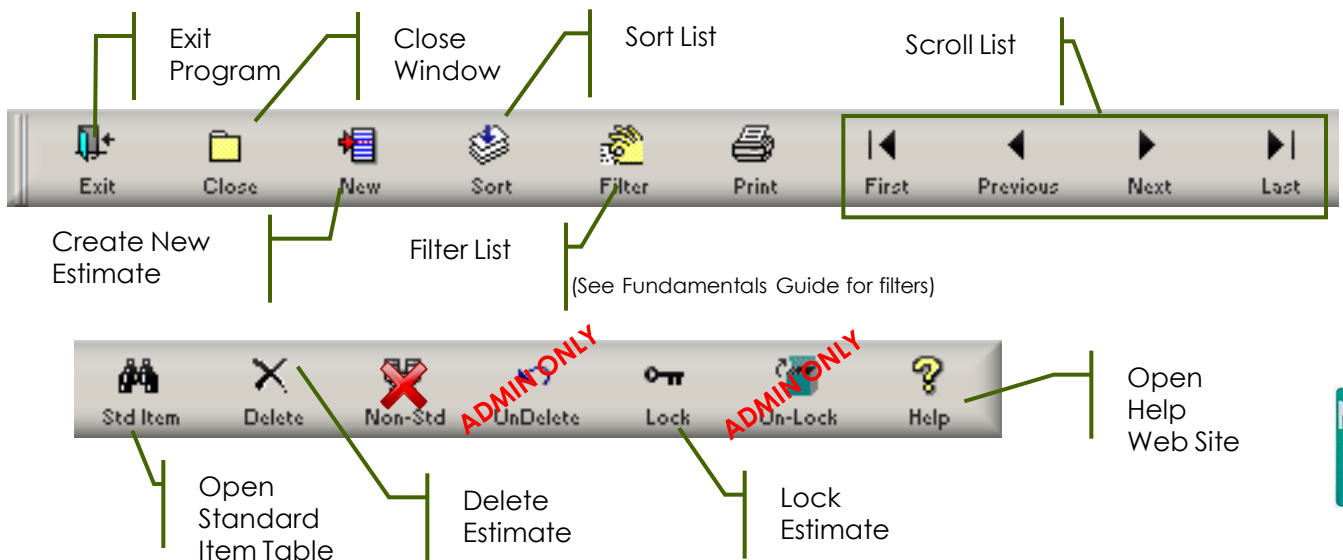
Controls

Most Frequently an existing Estimate will need to be Accessed.

Click the "ESTIMATES" Button to view all the Estimates in your Region.

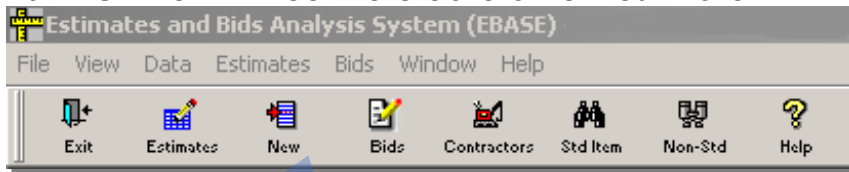


Estimates Window Buttons



New Estimate

SELECT the **NEW** icon to create a new estimate



 You would select the ESTIMATES button to view or edit existing estimates



ENTER THE FOLLOWING:

JOB NUMBER >>> **078** _ _ _


REGION >>> (this will default to your Region)

CLICK

OK

And

Yes

 The Job Number is the Working number for the Estimate, this will be renamed to the PS&E Job Number when the project is ready for AD.

EXAMPLE:

07 A 001

↑

↑

↑

↑

Current Year

Region Code

Sequence No.


It is not Necessary to have a PS&E job number When beginning an estimate, but you should Have a 6 character name that uniquely identifies The estimate. i.e use the Work Order Number or WIN Number



Your new Estimate will be created and you may begin to enter data

General Info Tab

The General Info tab is where the Basic Project Information and contacts are entered.

General Info	Text Data	Funding	Groups	Columns	Bid Items	Non-Bid Items
<div> <div>Upload to Mainframe Without Moving to Bids</div> <div>Move to Bids Without Mainframe Upload</div> </div> <div>  <p>For Work Orders that begin 0L _____. The first digit is always a zero, NEVER oh</p> </div> <div> <div> Identification Information: <div> <div> Title: <div> I-90 EBASE TRAINING PCCP I/S REHAB 07S001 </div> </div> <div> Contract Number: 000000 Work Order Number: XL1234 </div> <div> Region: Olympia Svc Center W.I.N: F12345Z </div> </div> <div> Last Update: 01/23/2007 Locked: </div> <div> Measurement System: ENGLISH Contingency Percentage: 4.00% Engineering Percentage: 15.00% </div> </div> <div> Contacts: <div> Design Project Engineer: JOHN, DESIGN, P.E. Construction Engineer: JANE CONSTRUCTION, P.E. </div> <div> Estimator: YOUR NAME HERE </div> </div> </div>						

Enter the title using all 4 lines

First line – Route

Second line – First Line of Title

Third Line – Second Line of title (may be left blank)

Forth Line – Job Number (title will not print on reports if not present)

CONTRACT – This will be filled in by the Contract Ad & Award office at AD.

REGION – Auto-filled (based on your user ID)

WORK ORDER NUMBER – Enter your 6-digit design charge number, (XL number)

MEASUREMENT SYSTEM – ENGLISH (Default)

CONTINGENCY % - This will usually be 4%

ENGINEERING % - Enter appropriate %, a chart may be found in the EBASE Users Guide.

W.I.N. (work item number) Enter this number assigned to your project from CPMS

DESIGN P.E.

CONSTRUCTION P.E.

ESTIMATOR

} – Enter the appropriate contacts for this estimate.

General Info Tab

Additional Function Areas.

General Info	Text Data	Funding	Groups	Columns	Bid Items	Non-Bid Items
<p>* Upload to Mainframe Without Moving to Bids</p> <p>* Move to Bids Without Mainframe Upload</p>						
Identification Information:						
Title: I-90 EBASE TRAINING PCCP I/S REHAB 07S001				Last Update: 01/23/2007 Locked:		
Contract Number: 000000		Work Order Number: XL1234		Measurement System: ENGLISH		
Region: Olympia Svc Center				Contingency Percentage: 4.00%		
W.I.N: F12345Z				Engineering Percentage: 15.00%		
Contacts:						
Design Project Engineer: JOHN, DESIGN, P.E.				Estimator: YOUR NAME HERE		
Construction Engineer: JANE CONSTRUCTION, P.E.						
<div>Save Summary of Quantities Revisions * Move to Bids Access Duplicate / New Version</div>						

Summary of Quantity Revisions

Line Number	Revision Date	Revision Description	Revised By
1	06/01/2007	REVISED QUANTITY BID ITEM #2	TWH

Record Post Advertisement
Addendums to Cost and Quantities

Also Enter Plan Sheet Number

Contract Plans Summary of Quantities Start Page: 3
Contract Plans End Page: 53

Add Delete Sort Close
Save Save As Print

Access Authorizations

User ID	Last Update	Owner
HumePot	04/10/2007	<input checked="" type="checkbox"/>

Estimate Owners may control
Access to their Estimates

Add Delete Sort Close
Save Save As Print

Are you Sure?

This operation makes a duplicate of the current estimate under a different job number or allows you to create another version of this job number. Are you sure you want to perform this operation?

OK Cancel

Duplicate / New Version

Old	New
Job Number: TRAIN	Job Number: TRAIN
Version: 1	Version: 2

OK Cancel

* These buttons Available at the Admin. Level



ENTER THE FOLLOWING:

Identification Information

TITLE: _____

I 90
EBASE TRAINING
PCCP I/S REHAB
07S _ _ _

REGION:	Olympia Service Center (default)
W.I.N:	F12345Z
Measurement System:	ENGLISH (default)
Contingency %:	.04 (4%)
Engineering:	.15 (15%)

CONTACTS: _____

Design P.E.:	John Design, P.E.
Construction PE:	Jane Construction, P.E.
Estimator:	Your Name

Text Data Tab

General Info	Text Data	Funding	Groups	Columns	Bid Items	Non-Bid Items
--------------	------------------	---------	--------	---------	-----------	---------------


This screen is for entering special Project level remarks that you want to bring attention to. Any text entered here will be printed on the bottom of the Preliminary Estimate Summary Report.


Project Remarks	Proposal Description	Type of Work
------------------------	----------------------	--------------

AGREEMENTS:
HR6-0302 WIDE LOAD AGREEMENT WITH TOWN OF ...
HR6-0303 WIDE LOAD DETOUR WIT COUNTY

NICKLE FUNDS ONLY


CONSTRUCTION PERMIT WITH CITY ON FILE

 These Are Examples of the type of informational Notes that may be entered in this area. It is always a good idea to place a note For any type Of agreement information that does not Appear, or whose participation Is unclear on the funding tab in this area.



Proposal Description

I-90; EBASE TRAINING PCCP I/S REHAB, IN THE CITY OF SPOKANE AND SPOKANE COUNTY, VICINITY OF MP 291.92, A FEDERAL AID PROJECT




Save

Enter the Route, County, Mile Posts, Project Title and if it is a State or a Federal Project. Always end this paragraph with a comma. This text is inserted into the paragraph at the top of the Proposal report

This Text may be the same as that found in the Contract Special Provisions Under "Desc. Of Work"

Type of Work

THIS CONTRACT PROVIDES FOR THE IMPROVEMENT OF SULLIVAN ROAD FROM MISSION AVENUE TO INDIANA AVENUE AND PINES ROAD AT I-90, IN SPOKANE COUNTY. THIS WORK SHALL CONSIST OF REMOVING ASPHALT CONCRETE PAVEMENT, PLACING PORTLAND CEMENT CONCRETE PAVEMENT, PAVEMENT MARKING, UPGRADING SIGNAL SYSTEM COMPONENTS, ADJUSTING INLETS, AND OTHER WORK,



Save

Use this screen to enter a brief description of the Major items of work being performed. This text is limited to 4 lines, and will be printed at the top of the Preliminary Estimate Summary report

ENTER THE FOLLOWING:

Text Data Information

Project Remarks: _____

Agreements:

Agreement GCA-4912 for \$9,000 with city

Proposal Description: _____

**I-90; EBASE TRAINING PCCP I/S REHAB, IN THE
CITY OF SPOKANE AND SPOKANE COUNTY,
VICINITY OF MP 291.92, A FEDERAL AID PROJECT,**

Type of Work: _____

**THIS WORK SHALL CONSIST OF REMOVING ASPHALT
CONCRETE PAVEMENT, PLACING PORTLAND CEMENT
CONCRETE PAVEMENT, PAVEMENT MARKING,
UPGRADING SIGNAL SYSTEM COMPONENTS,
ADJUSTING INLETS, AND OTHER WORK,,**

Funding Tab

Agreement Message / Fund Remarks

Federal Toll Credits

Go!

Save Close

General Info | Text Data | **Funding** | Groups | Columns

Funds

i A Fund Number is simply a place holder to group Participants together under.

Create your Fund numbers by clicking the ADD button and entering a sequence of numbers, 5, 10, 15; 2,4,6...

You may use any sequence that makes sense to you.

Participants | Fund / Participant Matching

Fund Number
5
10
20

Double Click on Item For Fund Remarks/Agreement

i If you would like to enter a special comment about any of the Funds you setup, Double click on the Fund Number and a window will be displayed for text entry. Any text entered here will be printed on the Fund Report.

Participants

Participant Name	Federal Aid Project Number	Funding Indicator
FEDERAL	IM-0906(211)	Federal Aid
GCA 4912		City
STATE		State

i One participant per line. Each Participant must have a **unique name**. A Federal Aid Project Number must be entered for all federal participants

Print Add Delete Save Sort

Fund / Participant Matching

Fund Number	Participant	Funding Sequence	Participation Percentage	Maximum Amount
5	FEDERAL	1	90.00%	
5	STATE	2	100.00%	
10	GCA 4912	1	100.00%	
20	STATE	1	100.00%	

i

- Add one Fund/Participant line at a time and complete before adding another.
- A Funding sequence must be entered to show who pays first, second etc. (Each fund may have up to four participants.)
- It is Ok for a participant contribute to more than one fund.
- A Participation Percentage must be entered for each - in decimal format.

***2**

Some Participants have a set dollar amount they have agreed to pay towards the project - a **Maximum Amount**.

In most cases a Max. Amount Participant should be entered as a Funding Sequence of 1, the *Primary* participant, with a Participation Percentage shown as 100%.

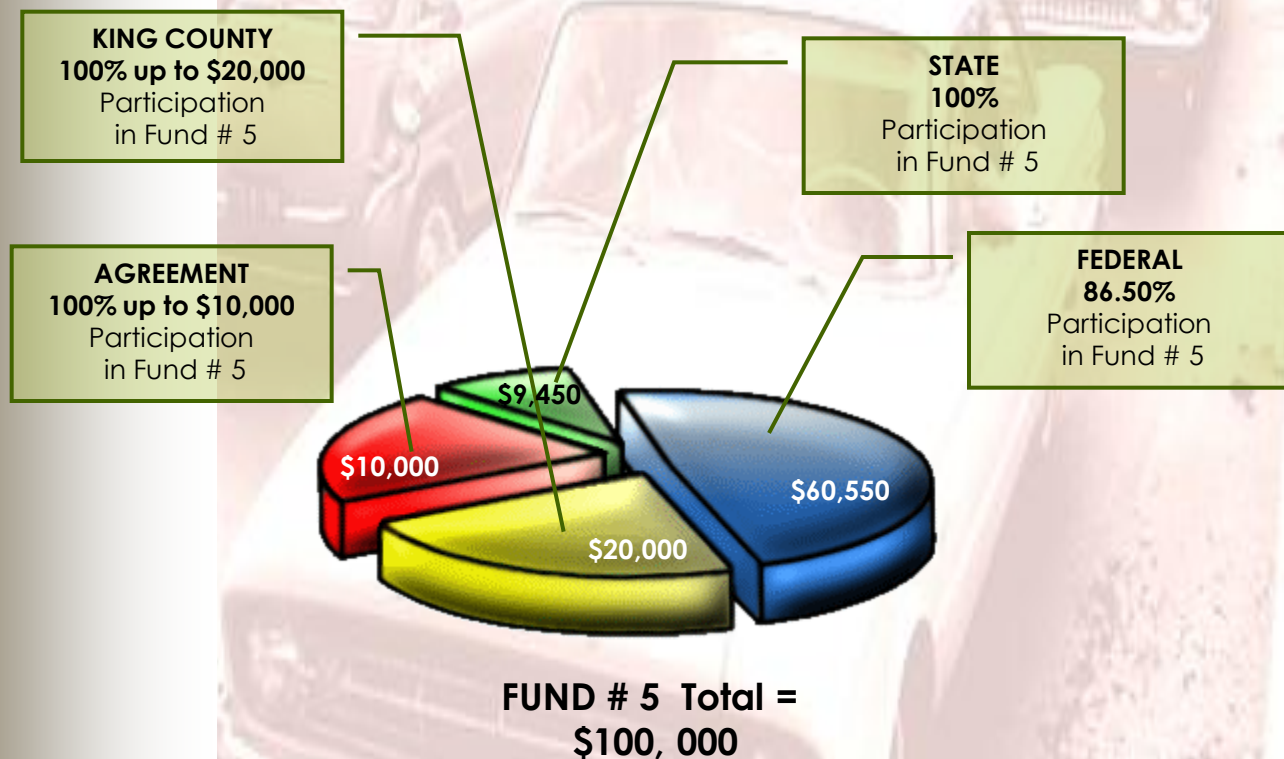
Should it be necessary to remove the Max Amount either enter a zero, or delete and re-add the participant/fund match line

Print Add Delete Save Sort

Funding Tab

Example of how a single fund may be broken down by participant

FUND 5			
In this Example All Bid Items Paid for by FUND 5 = \$100,000			
Participants	Fund Sequence (Order in which Dollars Contributed are spent)	Participation %	Actual \$\$\$ Participant is obligated to contribute based on their Participation %
King County	1	100 % With a Maximum contribution amount of \$20, 000	\$20,000
Agreement for \$10,000	2	100 % With a Maximum contribution amount of \$10, 000	\$10, 000
Federal	3	86.50%	\$60,550
State	4	100%	\$9, 450





ENTER THE FOLLOWING:

Funding Tab Information

Funds: _____

Fund Number:

5
10
20

Participants: _____

<u>Participant Name</u>	<u>Fed Aid Number</u>	<u>Funding Indicator</u>
-------------------------	-----------------------	--------------------------

**Federal
GCA-4912
STATE**

IM-0906(211)

**Federal Aid
City
State**

Fund / Participant Matching: _____

<u>Fund #</u>	<u>Participant</u>	<u>Fund Seq.</u>	<u>Part. %</u>	<u>Max Amount</u>
5	FEDERAL	1	90% (.9)	
5	STATE	2	100% (1)	
10	GCA-4912	1	100% (1)	
20	STATE	1	100% (1)	

Groups Tab

General Info | Text Data | Funding | **Groups** | Columns | Bid Items | Non-Bid Items

Group Number

1
2
3
4
5

Maximum allowed number of Groups in an estimate is: **99**

Use the "Move Group" button to re-position a Group in the sequence. (i.e. move group 5 to group 3... group 5 becomes group 3, group 3 becomes group 4, and group 4 becomes group 5).

County: SPOKANE (Select First)

Control Section Number: 320103

Fund Number: 5

Group Description: SULLIVAN I/S PCCP REHABILITATION

Program: P1 **Program Item Number:** 609049Z

State Route Number: 090 **Tax Rate:** 8.60%

Federal Work Type Code:

Move Group | **Print** | **Add** | **Delete** | **Save** | **Sort**

When a Control Section is selected the STATE ROUTE NUMBER and the TAX RATE Are automatically entered by EBASE

GROUP BREAKOUT RULES Plan Prep Manual 400.06(5)(a)

When is a separate Group will be necessary ?

- There is a change in the Program Number (PIN).
- A change in the Program or Sub-Program (P1, I2, etc.)
- A change in Funding (participants, rates, source of funding)
- A break in Control Sections.
- separate Group is required for Third Party Damages.

Adding a New Group:

1. Click "ADD" to add a new Group. First select a County for the Group, EBASE will generate a Control Section table based on the County entered.
2. Select a Control Section number that applies to the area where the work is to be performed. When a Control Section is selected the State Route Number and Tax Rate fields will automatically be completed.
3. Assign a Fund to the Group.
4. Enter a Group description, that is descriptive of the type of work being performed and / or the location of the work.
5. Select Program and enter a Program Item Number.
6. Select a Federal Work Type Code (if applicable). See EBASE Users Guide.



ENTER THE FOLLOWING:

Groups Tab Information

Group #	County	Cntl Sec.	Fund #	Group Descr	Program	Prog Item #	Tax rate	SR #	Fed Work Type
1	SPOKANE	320103	5	SULLIVAN I/S PCCP REHABILITATION	P1	609049Z	Auto Entry	Auto Entry	NA
2	SPOKANE	320103	5	PINES SIGNAL UPGRADE	P3	609001F	Auto Entry	Auto Entry	Y031
3	SPOKANE	320103	5	SULLIVAN SIGNAL UPGRADE	P3	609001G	Auto Entry	Auto Entry	Y031
4	SPOKANE	3200CY	10	GCA AGREEMENT FOR CITY STREETS	P1	609049Z	Auto Entry	Auto Entry	NA
5	SPOKANE	320103	20	REIMBURSEMENT FOR THIRD PARTY DAMAGES	P1	609049Z	Auto Entry	Auto Entry	NA

Columns Tab

General Info	Text Data	Funding	Groups	Columns	Bid Items	Non-Bid Items																		
<div><table><thead><tr><th>Column Number</th><th>Group Number</th><th>Column Heading</th></tr></thead><tbody><tr><td>1</td><td>1</td><td>SULLIVAN SR38+83 TO SR51+21</td></tr><tr><td>2</td><td>1</td><td>SULLIVAN NORTH SIGNAL SYSTEM 4</td></tr><tr><td>3</td><td>2</td><td>PINES SOUTH SIGNAL SYSTEM 1</td></tr><tr><td>4</td><td>3</td><td>SULLIVAN SOUTH SIGNAL SYSTEM 2</td></tr><tr><td>5</td><td>4</td><td>SULLIVAN MISSION SIGNAL SYSTEM 3</td></tr></tbody></table><div>PLEASE NOTE: Column Headings are limited to 10 characters per line!</div><div>Move Column</div><div>Print Add Delete Save Sort</div></div>							Column Number	Group Number	Column Heading	1	1	SULLIVAN SR38+83 TO SR51+21	2	1	SULLIVAN NORTH SIGNAL SYSTEM 4	3	2	PINES SOUTH SIGNAL SYSTEM 1	4	3	SULLIVAN SOUTH SIGNAL SYSTEM 2	5	4	SULLIVAN MISSION SIGNAL SYSTEM 3
Column Number	Group Number	Column Heading																						
1	1	SULLIVAN SR38+83 TO SR51+21																						
2	1	SULLIVAN NORTH SIGNAL SYSTEM 4																						
3	2	PINES SOUTH SIGNAL SYSTEM 1																						
4	3	SULLIVAN SOUTH SIGNAL SYSTEM 2																						
5	4	SULLIVAN MISSION SIGNAL SYSTEM 3																						

Column Break Rules PPM 400.06(5)(b)

At a minimum a separate column is required for:

- Each Bridge
- Each wall – Unless these are tabulated separately in the plans.
- State Furnished Pit sites

Separate Columns should be used for individual construction lines i.e. Ramps, Mainline, Frontage Road.



Separate Columns can be to setup for work that may be cut from the Project due to possible funding issues. This will make for quick revisions to the estimate by simply deleting Columns of work, rather than time consuming re-calculations of Bid Items.

**ENTER THE FOLLOWING:***Columns Tab Information*

COLUMN NUMBER	GROUP NUMBER	COLUMN HEADING (This field is limited to 12 characters wide by 4 lines tall)
1	1	SULLIVAN SR 38+83 TO SR 51+21
2	1	SULLIVAN NORTH SIGNAL SYSTEM 4
3	2	PINES SOUTH SIGNAL SYSTEM 1
4	3	SULLIVAN SOUTH SIGNAL SYSTEM 2
5	4	SULLIVAN MISSION SIGNAL SYSTEM 3
6	4	SULLIVAN SR 35+68 TO SR 38+83

Bid Items Tab

Screen Areas

Items

Item Number	Std Item Num
10	
11	6739
12	6514
13	6403
14	6490
15	6806
16	6890
17	6912
18	
19	6971
20	6982

Item List
Used to Sequence to Standard Items

Column Number	Planned Quantity
4	9,000.00

Column Quantity Assignment
Designate how much of the Bid Item will be used in each portion of the project

Add Item	Delete Item
Add Column	Delete Column
Standard Items	Sort
Non-Standard Items	Save
Re-Set Item Num	Move Item
UBA History Data	Spreadsheet
Specifications	Item Report
Lump Sum Breakout Items	
Item Comments (none)	

Function Button Panel

Text Data | Funding | Groups | Columns | **Bid Items** | Non-Bid Items

Section Headers

Std Item Num	Column Number	Planned Quantity
11	4	9,000.00
12		
13		
14		
15		
16		
17		
18		
19		
20		

Add Item	Delete Item
Add Column	Delete Column
Standard Items	Sort
Non-Standard Items	Save
Re-Set Item Num	Move Item
UBA History Data	Spreadsheet
Specifications	Item Report
Lump Sum Breakout Items	
Item Comments (none)	

Section Header: 18 TRAFFIC Prorate Item: ☐

Standard Item:

Non-Standard Item:

Description: SIGNAL INTERCONNECT SYSTEM 2

Unit Price: 1.0000 Unit Measure: L.S. Prequal Code: WV6

Bid Item Details

Enter details for a Standard Item Number,
Or Describe a Non-Standard Item

Section Header: 18 TRAFFIC * Prorate Item: ☐

Standard Item:

Non-Standard Item: ✗ This feature not implemented * Use the PRORATE ITEM: check box to Distribute dollar amount across columns. – Use OLNLY for MOBILIZATION.

Description: SIGNAL INTERCONNECT SYSTEM 2

Unit Price: 1.0000 Unit Measure: L.S. Prequal Code: WV6

Bid Items Tab

Adding Bid Items

Items

Item Number	Std Item Num
1	0001
2	0150
3	
4	0310
5	0332

Add Item	Delete Item
Add Column	Delete Column
Standard Items	Sort
Non-Standard Items	Save
Re-Set Item Num	Move Item
UBA History Data	Spreadsheet
Specifications	Item Report
Lump Sum Breakout Items	
Item Comments (none)	

Select Item Location

Where do you want to place this item(s)?

Go Cancel

Standard Item Selection Window

Std Item Number	Description	Unit of Measure	Prequal Code	Item Use
7047	MONUMENT CASE, COVER, AND PIPE	EACH	O4	GSP ITEM
Section: 19 OTHER ITEMS				
7380	ADJUST MONUMENT CASE AND COVER	EACH	O4	REQUIRES SPECIAL PROV.
7052	BRIDGE END SIDEWALK RAMP	EACH	A2	REQUIRES SPECIAL PROV.
7055	CEMENT CONC. SIDEWALK	S.Y.	C8	STANDARD ITEM
7060	ASPHALT CONC. SIDEWALK	S.Y.	A2	REQUIRES SPECIAL PROV.
7059	CEMENT CONC. DRIVEWAY ENTRANCE TYPE	S.Y.	C8	STANDARD ITEM
7058	CEMENT CONC. SIDEWALK RAMP TYPE	EACH	C8	STANDARD ITEM
7054	RAMP DETECTABLE WARNING RETROFIT	S.F.	C8	STANDARD ITEM
7057	MONOLITHIC CEMENT CONC. CURB AND SIDEWALK	S.Y.	C8	STANDARD ITEM
7056	CEMENT CONC. SIDEWALK WITH RAISED EDGE	S.Y.	C8	STANDARD ITEM
7065	CONC. SLOPE PROTECTION	S.Y.	E8	STANDARD ITEM
7066	SEMI-OPEN CONC. MASONRY SLOPE PROTECTION	S.Y.	E8	GSP ITEM
7074	WIRE MESH SLOPE PROTECTION ANCHOR	EACH	X0	STANDARD ITEM

Right Mouse Click on Item to View UBA History Data - Double Click for Specifications

Sort Filter Apply Selections De-Select All Cancel

Use the "ADD ITEM" Button
To insert Bid Items (Standard & Non-Standard)
into an Existing bid item list
*Click on the Bid Item directly
Below where you will insert the
New item and click the ADD ITEM
Button.
Click SAVE
And RE-SET ITEMS NUMS to renumber
The Item Number Sequence.*

Use the "STANDARD ITEMS" Button to select and
apply Standard Bid Items upon initial item entry,
or to add Standard Bid Items to the end of the
item list

*Click on the STANDARD ITEMS button.
Either"*

*a) for a new list or for item placement at
the end of an existing list, Click the GO
button when the "Select Item Location"
dialog box is Displayed.
Select Standard Bid Items.
Click "Apply Selection"*

*b) to add Standard Bid Items to an
existing list, Enter the desired item
sequence placement in the "Select
item Location" dialog box is displayed.
Click GO
Select the Standard Bid Item(s)
Click "Apply Selections"
Click "Re-Set Items Num" on the Button
Panel.*

Items

Item Number	Std Item Num
1	0001
2	0150
3	
4	0310
5	0332
6	5100
7	5638
8	5625
9	
10	

Section Headers

Column Number	Planned Quantity

Add Item	Delete Item
Add Column	Delete Column
Standard Items	Sort
Non-Standard Items	Save
Re-Set Item Num	Move Item
UBA History Data	Spreadsheet
Specifications	Item Report
Lump Sum Breakout Items	
Item Comments Exist!	

Section Header: 18 TRAFFIC Prorate Item: ☐

Standard Item:

Non-Standard Item:

Description: SIGNAL INTERCONNECT SYSTEM 2

Unit Price: 1.0000 Unit Measure: L.S. Prequal Code: W6

Bid Items Tab

Developing the Bid Items

Add Column

Column Number: Planned Quantity:

Use the Add Column Button to Select columns where the Items will be used And how much (planned quantity) will be placed in each location.

Item Measurement and Description Details are Automatically imported When Standard Items are selected.

Quantity ,Cost, and Unique Descriptive information must Be manually input.



Non-Standard Items Req. all data be manually input.

Items

Item Number	Std Item Num
23	7038
24	7058
25	3080
26	3100
27	6243
28	7480
29	7725
30	7728
31	7736
32	7059
33	7058

Section Headers

Column Number	Planned Quantity

Buttons: Add Item, Delete Item, Add Column, Delete Column, Standard Items, Sort, Non-Standard Items, Save, Re-Set Item Nums, Move Item, UBA History Data, Spreadsheet, Specifications, Item Report, Lump Sum Breakout Items, Item Comments (none)

Section Header: 19 OTHER ITEMS
Standard Item: 7059 CEMENT CONC. DRIVEWAY ENTRANCE TYPE
Non-Standard Item:
Add On Description: TYPE 1
Unit Price: 90.0000 **Unit Measure:** S.Y. **Prequal Code:** C8

UBA History Data

Use the “UBA History Data” Button to view the Unit Bid History for the Standard Item to help determine the unit price.

UBA Historical Data

Washington State Department of Transportation
Unit Bid Analysis Data
Standard Item Number: 7059 CEMENT CONC. DRIVEWAY ENTRANCE TYPE
Region: 1 Northwest
Date: 08/15/2007
Page 1 of 4

Job No	Contract	Quantity	Low Bid	Second Bid	Third Bid	Award Date
07A023	007346	17.00	160.0000	139.1200	100.0000	05/21/2007
07C515	007343	199.00	110.0000	60.0000	41.0000	05/21/2007
07A014	007339	77.00	60.0000	55.0000	.0000	05/07/2007
07Z005	007281	27.00	100.0000	.0000	.0000	05/01/2007
07A013	007314	218.00	24.0000	60.0000	45.0000	04/16/2007
06A020	007232	102.00	56.5000	60.0000	40.0000	12/26/2006
06A009	007192	531.00	54.0000	42.0000	75.0000	09/08/2006
06B018	007191	1,505.00	27.0000	42.5000	45.0000	08/11/2006
06A802	007163	89.00	50.0000	61.0000	75.0000	07/14/2006
05C522	007164	67.00	40.0000	55.0000	.0000	06/19/2006
05C522	007164	969.00	35.0000	40.1000	.0000	06/19/2006

Right Mouse Click on Specific Item to Retrieve Contract Information.

Buttons: Print, Save As, Sort, Filter, Close

DO NOT FOCUS ON THE SMALL ITEMS
80% of the ESTIMATE COST IS COMPRISED OF 20% OR LESS OF THE BID ITEMS –

Specifications

Standard Item Specifications

added by amendment to 8-14 effective 4/7/2003

Use the “Specifications” Button to view the Revision history for the item. Amendments & GSPs are shown here. Specification text or Reference to the Spec Book is listed for many items.

Use the “Item Comments box to note special conditions for the selected Bid Item

Item Comments Exist!

Item Comments

Standard Item Number: Description: Add On Description: SIGNAL INTERCONNECT SYSTEM 2

Enter any Special Conditions Here that may have an impact on Construction cost of the item.

- These notes may be printed for inclusion in the project file.

Print Save Close

Lump Sum Breakout Items

Lump Sum Break Out Items

Job: TRAIN Version: 1 Item: SIGNAL INTERCONNECT SYSTEM 2

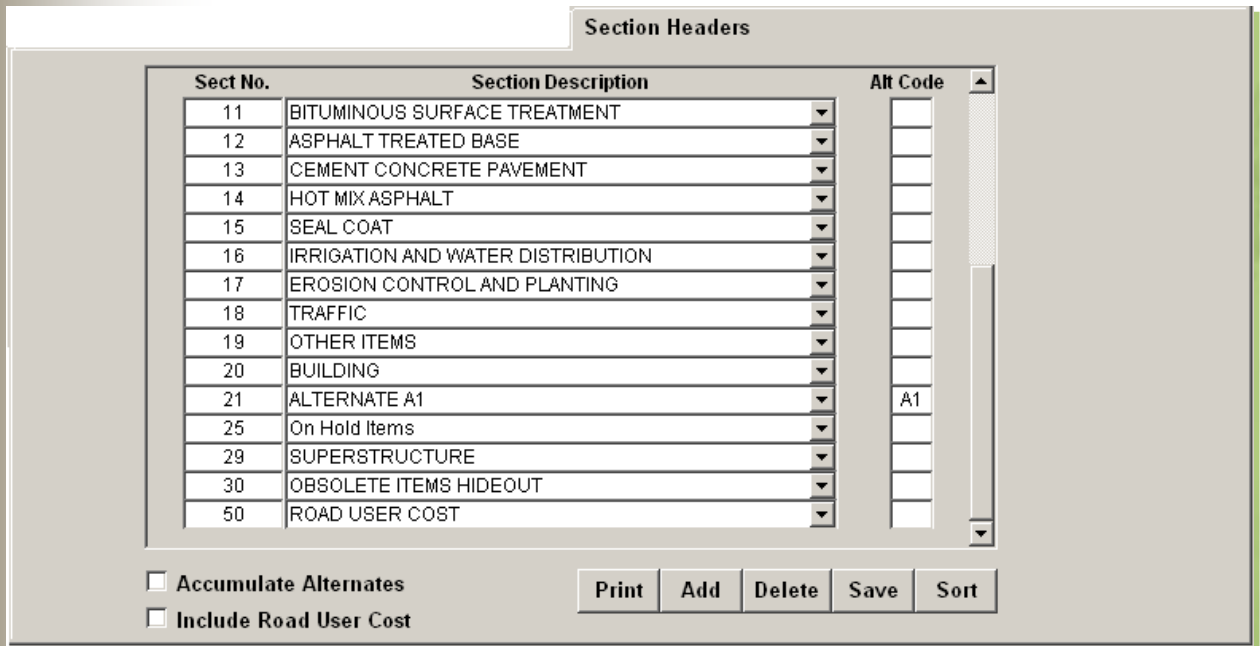
Standard Item Number	Planned Quantity	Unit Of Measure	Unit Price	Total Cost
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Description: <input type="text"/>				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Description: <input type="text"/>				
Lump Sum Break Out Items Total:				\$0.00

go!

Print Sort Add Delete Save Save As Close

Use the “Lump Sum Breakout Items” button to List and calculate cost the individual components that Make up each Lump Sum Bid Item.

A Lump Sum Item Report may be printed detailing all Listed Lump Sum items.



Sect No.	Section Description	Alt Code
11	BITUMINOUS SURFACE TREATMENT	
12	ASPHALT TREATED BASE	
13	CEMENT CONCRETE PAVEMENT	
14	HOT MIX ASPHALT	
15	SEAL COAT	
16	IRRIGATION AND WATER DISTRIBUTION	
17	EROSION CONTROL AND PLANTING	
18	TRAFFIC	
19	OTHER ITEMS	
20	BUILDING	
21	ALTERNATE A1	A1
25	On Hold Items	
29	SUPERSTRUCTURE	
30	OBSOLETE ITEMS HIDEOUT	
50	ROAD USER COST	

☐ Accumulate Alternates
☐ Include Road User Cost

Print Add Delete Save Sort

The Section Headers Tab lists all available item categories.

Use this tab to:

Add categories for Non-Standard Bid Items.

Create New Section Headers for Alternate Bid Items

Road User Cost – cost-plus-time bidding procedure (incentive)

<http://www.wsdot.wa.gov/Projects/delivery/alternative/ABBidding>



ENTER THE FOLLOWING:

Bid Items Tab Information

Step # 1

Use STANDARD ITEMS button to select and apply Items from the standard item table

Item Number	Std Item Number	Column Number	Planned Quantity	Unit Price
1	0001	1	111000	1
		2	2000	
		4	10000	
		5	5000	
2	0150	1	600	8
		6	280	
3	0310	1	4086	19
		6	1256	
4	0332	3	505	9

Complete Bid Item Details



ENTER THE FOLLOWING:

*Adding Non Standard Items
And Moving Items*

Click on Item # 4, Then Click ADD ITEM
And Click **SAVE**
Click **Add COLUMN**

Enter the following information in the Bid Item Details Click **SAVE**

Item Number	Column Number	Planned Quantity	Section Header	Description	Unit Price/ Unitof Measure	Prequal Code
	1	3	1	Removing Monument	300 / EACH	04

Click on the Item Number "0" and change it to a " 5 ". Click **SAVE**
Click **SORT** in the button panel.
Click **MOVE ITEM** in the button panel
Fill out the dialog box as shown and
Click **OK**

Non-Bid Items Tab

These are items of work or materials that are paid for as part of the total construction project, but are not performed by, nor furnished by the Contractor.

Numbers in the **700 to 799 range** have construction engineering and contingencies applied to them, but no sales tax. Federal Aid money may be used to fund all, part or none of this work.

Examples of this type of work may include:

- Utility Agreements
- County/City Agreements
- State Force Work other than WSDOT i.e. WSP
- Engineering/Consultant Services



Numbers in the **800 to 899 range** have no sales tax, construction engineering, or contingencies applied to them.

Examples of this type of work may include:

- State Force Work (WSDOT not to exceed \$50k)
- State Supplied Materials (Parcel numbers, labor and payable agreements cannot be charged here)
- Rail Road Flagging (800 – 859 Range)
- Some Permits and Agreements

* Numbers in the **800 to 859 range** are to be used for Federal-Aid **participating** items.

** Numbers in the **860 to 899 range** are to be used for Federal-Aid **non-participating** items.

General Info		Text Data	Funding	Groups	Columns	Bid Items	Non-Bid Items
	Number	Column	Item Description			Unit Price	
	700	1	700 MOTORIST ASSISTANCE PATROL (WSP) T-9131			1,500.0000	
	701	1	701 ELECTRICAL SERVICE AGREEMENT SCD-2252			350.0000	
	702	3	702 SERVICE AGREEMENT SCX2643			10,000.0000	
	801	3	STATE SUPPLIED SIGNAL SYSTEM COMPONENTS			4,000.0000	
	802	4	STATE SUPPLIED SIGNAL SYSTEM COMPONENTS			4,000.0000	
	860	6	BRIDGE RAILING PROCUREMENT			30,000.0000	
						Total:	\$49,850.00
<div> For guidelines in the use of State Force Work and State Supplied Materials, See Chapter 750.25 figure 7 of the Plans Preparation Manual.</div>							
		Print		Add	Delete	Save	Sort



ENTER THE FOLLOWING:

Non-Bid Items Tab Information

Number	Column	Item Description	Unit Price
700	1	700 MOTORIST ASSISTANCE PATROL (WSP) T-9131	1500.00
701	1	701 ELECTRICAL SERVICE AGREEMENT SCD-2252	350.00
702	3	702 SERVICE AGREEMENT SCX2643	10000.00
801	3	STATE SUPPLIED SIGNAL SYSTEM COMPONENTS	4000.00
802	4	STATE SUPPLIED SIGNAL SYSTEM COMPONENTS	4000.00
860	6	BRIDGE RAILING PROCUREMENT	30000.00

PS&E JOB NO: TRAIN CONTRACT NO: 000000 WORK ORDER NO: XL1234		WASHINGTON STATE DEPARTMENT OF TRANSPORTATION ESTIMATES AND BIDS ANALYSIS SYSTEM *** PRELIMINARY ESTIMATE - FUND REPORT ***		DATE: 04/30/2007 TIME: 11:34 DOT_RQC500	PAGE: 1 VER: 1
Fund 5 FEDERAL IM-0906(211) (1)	Fund 5 STATE (2)	TOTAL			
90.00%	100.00%				
BASE CONTRACT TOTAL	1,155,441.60	128,382.40	1,283,824.00		
WASHINGTON STATE SALES TAX 8.60% OF \$1,283,824.00	99,367.97	11,040.89	110,408.86		
700 - 700 MOTORIST ASSISTANCE PATROL (MS)	1,350.00	150.00	1,500.00	BELOW THE LINE ITEMS 700 - 799 range is work that is done by others such as Utility agreements and WSP. > Engineering and Contingencies will be applied to this work, but not Sales Tax. > Feds will Participate in this work.	
701 - 701 ELECTRICAL SERVICE AGREEMENT S	315.00	35.00	350.00		
702 - 702 SERVICE AGREEMENT SOX2643	9,000.00	1,000.00	10,000.00		
BASE PROJECT SUBTOTAL	1,265,474.57	140,608.29	1,406,082.86		
ENGINEERING 15.00%	189,821.19	21,091.24	210,912.43		
CONTINGENCIES 4.00%	50,618.98	5,624.33	56,243.31		
801 - STATE SUPPLIED SIGNAL SYSTEM COMPO	3,600.00	400.00	4,000.00	BELOW THE LINE ITEMS 800 - 899 Range s for State Force Work or State Supplies Materials. > Engineering, Contingencies, State Sales Tax are not applied to these items. 800 - 899 Feds will participate in this work. 860 - 899 Feds will not participate in this work.	
802 - STATE SUPPLIED SIGNAL SYSTEM COMPO	3,600.00	400.00	4,000.00		

BASE ESTIMATE

1-90
EBASE TRAINING
PCCP I/S REHAB
075001

BACK

PS&E JOB NO: TRAIN
CONTRACT NO: 000000
WORK ORDER NO: XL1234

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
ESTIMATES AND BIDS ANALYSIS SYSTEM
*** PRELIMINARY ESTIMATE - FUND REPORT ***

DATE: 04/30/2007
TIME: 11:34
DOT_RQC500

PAGE: 2
VER: 1

Fund 5 FEDERAL IM-0906(211) (1)	Fund 5 STATE (2)	TOTAL
90.00%	100.00%	
1,513,114.74	168,123.86	1,681,238.60

BASE PROJECT TOTAL

FEDERAL TOLL CREDITS
(1) SEE GROUPS 1, 2, 3
(2) SEE GROUPS 1, 2, 3, 5

Fund Remarks that were entered on the Funds tab for FUND 5

1-90
EBASE TRAINING
PCCP I/S REHAB
075001

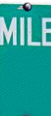
WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
ESTIMATES AND BIDS ANALYSIS SYSTEM
*** PRELIMINARY ESTIMATE - FUND REPORT ***

Fund 10 GCA 4912 (1)	Fund 20 STATE (2)	TOTAL
100.00%	100.00%	
226,468.00	5.00	226,473.00
WASHINGTON STATE SALES TAX 8.60% OF \$5.00	0.43	0.43
BASE PROJECT SUBTOTAL	5.43	226,473.43
ENGINEERING 15.00%	33,970.20	0.81
CONTINGENCIES 4.00%	9,058.72	0.22
BASE PROJECT TOTAL	269,496.92	269,503.38

GCA-4912 AGREEMENT
STATE
(1) SEE GROUPS 4
(2) SEE GROUPS 1, 2, 3, 5

Fund Remarks that were entered on the Funds tab for FUND 10 and FUND 20

1-90
EBASE TRAINING
PCCP I/S REHAB
075001



TO THE SECRETARY OF
TRANSPORTATION
OLYMPIA, WASHINGTON

PROPOSAL

DATE: 04/30/2007
TIME: 11:34
DOT_RGG600

BACK

THIS CERTIFIES THAT THE UNDERSIGNED HAS EXAMINED THE LOCATION OF

I-90, EBASE TRAINING PCCP I/S REHAB, IN THE CITY OF SPOKANE AND SPOKANE COUNTY, VICINITY OF MP 291.92, A FEDERAL AID PROJECT,

AND THAT THE PLANS, SPECIFICATIONS AND CONTRACT GOVERNING THE WORK EMBRACED IN THIS IMPROVEMENT, AND THE METHOD BY WHICH PAYMENT WILL BE MADE FOR SAID WORK IS UNDERSTOOD. THE UNDERSIGNED HEREBY PROPOSES TO UNDERTAKE AND COMPLETE THE WORK EMBRACED IN THIS IMPROVEMENT, OR AS MUCH THEREOF AS CAN BE COMPLETED WITH THE MONEY AVAILABLE IN ACCORDANCE WITH THE SAID PLANS, SPECIFICATIONS AND CONTRACT, AND THE FOLLOWING SCHEDULE OF RATES AND PRICES:

(NOTE: UNIT PRICES FOR ALL ITEMS, ALL EXTENSIONS, AND TOTAL AMOUNT OF BID SHALL BE SHOWN. ALL ENTRIES MUST BE TYPED OR ENTERED IN INK.)

ITEM NO.	PLAN QUANTITY	ITEM DESCRIPTION (STANDARD ITEM NUMBER)	PRICE PER UNIT DOLLARS *	TOTAL AMOUNT DOLLARS
PREPARATION				
1	LUMP SUM	MOBILIZATION (0001)	LUMP SUM	.
2	880. SQ. YD.	REMOVING TRAFFIC ISLAND (0150)	AT PER SQ. YD.	.
3	3. EACH	REMOVING MONUMENT (1)	AT PER EACH	.
GRADING				
4	5,342. CU. YD.	ROADWAY EXCAVATION INCL. HAUL (0310)	AT PER CU. YD.	.
5	505. SQ. YD.	PAVEMENT REPAIR EXCAVATION INCL. HAUL (0332)	AT PER SQ. YD.	.
SURFACING				
6	2,269. TON	CRUSHED SURFACING BASE COURSE (5100)	AT PER TON	.
CEMENT CONCRETE PAVEMENT				
7	CALCULATED	PORTLAND CEMENT CONC. COMPLIANCE ADJUSTMENT (5638)	CALCULATED	39,505.00
8	4,170. CU. YD.	CEMENT CONC. PAVEMENT (5625)	AT PER CU. YD.	.

* - SHOW PRICE PER UNIT IN FIGURES ONLY. FIGURES WRITTEN TO THE RIGHT OF THE DOT (DECIMAL) IN THE PRICE PER UNIT COLUMN SHALL BE INTERPRETED AS CENTS.

PS&E JOB NO: TRAIN

CONTRACT NO: 000000

WORK ORDER#: XL1234

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

ESTIMATES AND BIDS ANALYSIS SYSTEM

*** PRELIMINARY ESTIMATE - SUMMARY ***

DATE: 09/12/2007

PAGE: 1

TIME: 13:20

VER: 1

DOT_RGG200

HIGHWAY

: SR 000, 090

PROJECT TITLE

: I-90
EBASE TRAINING
PCCP I/S REHAB
07S001

TYPE OF WORK

: THIS WORK SHALL CONSIST OF REMOVING ASPHALT CONCRETE PAVEMENT, PLACING PORTLAND CEMENT CONCRETE PAVEMENT, PAVEMENT MARKING, UPGRADING SIGNAL SYSTEM COMPONENTS, ADJUSTING INLETS, AND OTHER WORK,

BACK

FEDERAL AID PROJECT NO : IM-0906(211)

COUNTY(S) : SPOKANE

PROGRAM ITEM NUMBER(s) : 609001F, 609001G, 609049Z

CONTROL SECTIONS : 3200CT, 320103

[Data Entered on Groups Tab](#)

[Funds information from Funds Tab](#)

[Project info from General Info Tab](#)

[Item Data from Non-Bid Items Tab](#)

[Type of Work text info from Text data Tab](#)

ESTIMATED COST DATA :

CONTRACT TOTAL	1,510,297.00
WASHINGTON STATE SALES TAX: 8.60% OF \$ 1,283,829.00 (GROUPS: 1 , 2 , 3 , 5)	110,409.30
702 SERVICE AGREEMENT SCX2643	10,000.00
701 ELECTRICAL SERVICE AGREEMENT SCD-2252	350.00
700 MOTORIST ASSISTANCE PATROL (WSP) T-9131	1,500.00
PROJECT SUBTOTAL	1,632,556.30 **
ENGINEERING 15.00%	244,883.45
CONTINGENCIES 4.00%	65,302.25
STATE SUPPLIED SIGNAL SYSTEM COMPONENTS	4,000.00
BRIDGE RAILING PROCUREMENT	30,000.00

I-90
EBASE TRAINING
PCCP I/S REHAB
07S001

PS&E JOB NO: TRAIN
CONTRACT NO: 000000
WORK ORDER#: XL1234

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
ESTIMATES AND BIDS ANALYSIS SYSTEM
*** PRELIMINARY ESTIMATE - SUMMARY ***

DATE: 09/12/2007
TIME: 13:20
DOT_RGG200

PAGE: 1
VER: 1

HIGHWAY : SR 000, 090

PROJECT TITLE : I-90
EBASE TRAINING
PCCP I/S REHAB
07S001

TYPE OF WORK : THIS WORK SHALL CONSIST OF REMOVING ASPHALT CONCRETE PAVEMENT, PLACING PORTLAND CEMENT CONCRETE PAVEMENT, PAVEMENT MARKING, UPGRADING SIGNAL SYSTEM COMPONENTS, ADJUSTING INLETS, AND OTHER WORK,

FEDERAL AID PROJECT NO : IM-0906(211)

COUNTY(S) : SPOKANE

PROGRAM ITEM NUMBER(s) : 609001F, 609001G, 609049Z

CONTROL SECTIONS : 3200CT, 320103

ESTIMATED COST DATA :

CONTRACT TOTAL	1,510,297.00
WASHINGTON STATE SALES TAX: 8.60% OF \$ 1,283,829.00 (GROUPS: 1 , 2 , 3 , 5)	110,409.30
702 SERVICE AGREEMENT SCX2643	10,000.00
701 ELECTRICAL SERVICE AGREEMENT SCD-2252	350.00
700 MOTORIST ASSISTANCE PATROL (WSP) T-9131	1,500.00
PROJECT SUBTOTAL	1,632,556.30 **
ENGINEERING 15.00%	244,883.45
CONTINGENCIES 4.00%	65,302.25
STATE SUPPLIED SIGNAL SYSTEM COMPONENTS	4,000.00
BRIDGE RAILING PROCUREMENT	30,000.00

I-90
EBASE TRAINING
PCCP I/S REHAB
07S001



PS&E JOB NO: TRAIN	WASHINGTON STATE DEPARTMENT OF TRANSPORTATION	DATE: 09/12/2007	PAGE: 2
CONTRACT NO: 000000	ESTIMATES AND BIDS ANALYSIS SYSTEM	TIME: 13:20	VER: 1
WORK ORDER#: XL1234	*** PRELIMINARY ESTIMATE - SUMMARY ***	DOT_RGS200	
HIGHWAY	: SR 000, 090		
PROJECT TITLE	: I-90 EBASE TRAINING PCCP I/S REHAB 07S001		
TYPE OF WORK	: THIS WORK SHALL CONSIST OF REMOVING ASPHALT CONCRETE PAVEMENT, PLACING PORTLAND CEMENT CONCRETE PAVEMENT, PAVEMENT MARKING, UPGRADING SIGNAL SYSTEM COMPONENTS, ADJUSTING INLETS, AND OTHER WORK,		
FEDERAL AID PROJECT NO	: IM-0906(211)		
COUNTY(S)	: SPOKANE		
PROGRAM ITEM NUMBER(s)	: 609001F, 609001G, 609049Z		
CONTROL SECTIONS	: 3200CT, 320103		
ESTIMATED COST DATA	:		
STATE SUPPLIED SIGNAL SYSTEM COMPONENTS		4,000.00	
TOTAL COST OF PROJECT		1,980,742.00 ***	

PROJECT REMARKS: AGREEMENT GCA 4912 WILL PAY FOR SIGNAL INTERCONNECT SYSTEM 2

PROJECT REMARKS TEXT from Text data Tab



I-90
EBASE TRAINING
PCCP I/S REHAB
07S001



Reports

Group Report

BACK

PS&E JOB NO: TRAIN
CONTRACT NO: 000000
WORK ORDER#: XL1234

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
ESTIMATES AND BIDS ANALYSIS SYSTEM
*** PRELIMINARY ESTIMATE - BY GROUP ***
GROUP NO : 1

DATE: 09/12/2007 PAGE: 1
TIME: 13:20 VER: 1
DOT_RGG300

PROGRAM ITEM NUMBER : 609049Z
CONSTR. TYPE CODE : J000
PROGRAM CODE : F1
STATE ROUTE(S) : 090
COUNTY : SPOKANE
CONTROL SECTION/SALES TAX : 320103 / 8.60%
SAFETY CLASS CODE :

SULLIVAN I/S PCCP REHABILITATION

Data Entered on Groups Tab
Funds information from Funds Tab
Project info from General Info Tab
Item Data from Bid Items Tab

FUND NO: 5 PARTICIPANT: FEDERAL PARTICIPATION PERCENT: 90.00% MAX AMOUNT:
FUND NO: 5 PARTICIPANT: STATE PARTICIPATION PERCENT: 100.00% MAX AMOUNT:

ITEM NO.	STD. NO.	ITEM DESCRIPTION	UNIT MEAS	UNIT PRICE	QUANTITY	AMOUNT
1	0001	MOBILIZATION	L.S.			118,000.00
2	0150	REMOVING TRAFFIC ISLAND	S.Y.	8.0000	600.00	4,800.00
3		REMOVING MONUMENT	EACH	300.0000	3.00	900.00
4	0310	ROADWAY EXCAVATION INCL. HAUL	C.Y.	19.0000	4,086.00	77,634.00
6	5100	CRUSHED SURFACING BASE COURSE	TON	18.0000	1,755.00	31,590.00
7	5638	PORTLAND CEMENT CONC. COMPLIANCE ADJUSTMENT	CALC			30,615.00
8	5625	CEMENT CONC. PAVEMENT	C.Y.	165.0000	3,226.00	532,290.00
9		EPOXY-COATED DOWEL BARS	EACH	10.0000	8,000.00	80,000.00
10		HMA/PCCP TRANSVERSE JOINT	L.F.	30.0000	405.00	12,150.00
12	6514	LONGITUDINAL JOINT SEAL	L.F.	5.0000	536.00	2,680.00
13	6403	ESC LEAD	DAY	175.0000	10.00	1,750.00
14	6490	EROSION/WATER POLLUTION CONTROL	EST.			1,500.00
15	6806	PAINT LINE	L.F.	0.2000	5,840.00	1,168.00
16	6890	PERMANENT SIGNING	L.S.			1,000.00
19	6971	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.			115,000.00
20	6982	CONSTRUCTION SIGNS CLASS A	S.F.	20.0000	2,261.00	45,220.00
21		CEMENT CONC. TRAFFIC ISLAND	S.Y.	35.0000	657.00	22,995.00
22	7028	CURE BOX	L.S.			1,500.00
23	7038	ROADWAY SURVEYING	L.S.			30,920.00
24	7058	CEMENT CONC. SIDEWALK RAMP TYPE 2B	EACH	2,500.0000	2.00	5,000.00
25	3080	ADJUST MANHOLE	EACH	750.0000	1.00	750.00
26	3100	ADJUST CATCH BASIN	EACH	750.0000	1.00	750.00

I-90
EBASE TRAINING
PCCP I/S REHAB
075001

PS&E JOB NO: TRAIN
CONTRACT NO: 000000
WORK ORDER#: XL1234

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION
ESTIMATES AND BIDS ANALYSIS SYSTEM
*** PRELIMINARY ESTIMATE - BY GROUP ***
GROUP NO : 2

DATE: 09/12/2007 PAGE: 3
TIME: 13:20 VER: 1
DOT_RGG300

PROGRAM ITEM NUMBER : 609001F
CONSTR. TYPE CODE : Y002
PROGRAM CODE : F3
STATE ROUTE(S) : 090
COUNTY : SPOKANE
CONTROL SECTION/SALES TAX : 320103 / 8.60%
SAFETY CLASS CODE :

PINES SIGNAL UPGRADE
SUB PROGRAM (PH)

FUND NO: 5 PARTICIPANT: FEDERAL PARTICIPATION PERCENT: 90.00% MAX AMOUNT:
FUND NO: 5 PARTICIPANT: STATE PARTICIPATION PERCENT: 100.00% MAX AMOUNT:

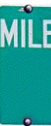
ITEM NO.	STD. NO.	ITEM DESCRIPTION	UNIT MEAS	UNIT PRICE	QUANTITY	AMOUNT
1	0001	MOBILIZATION	L.S.			10,000.00
5	0332	PAVEMENT REPAIR EXCAVATION INCL. HAUL	S.Y.	9.0000	505.00	4,545.00
11	5739	HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 70-28	TON	120.0000	175.00	21,000.00
14	6490	EROSION/WATER POLLUTION CONTROL	EST.			1,000.00
15	6806	PAINT LINE	L.F.	0.2000	340.00	68.00
17	6912	TRAFFIC SIGNAL SYSTEM - PINES SOUTH SIGNAL SYSTEM 1	L.S.			81,000.00
19	6971	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.			35,000.00
GROUP 2 BASE SUBTOTAL :						152,613.00 *

700 items from the Non-Bid Item Tab (no tax applied to Items)

WASHINGTON STATE SALES TAX 8.60% OF \$ 152,613.00	13,124.72
702 SERVICE AGREEMENT SCX2643	10,000.00
GROUP 2 SUBTOTAL	175,737.72 **
ENGINEERING 15.00%	26,360.66
STATE SUPPLIED SIGNAL SYSTEM COMPONENTS	4,000.00
GROUP 2 TOTAL	206,098.38 ***

I-90
EBASE TRAINING
PCCP I/S REHAB

800 items from the Non-Bid Item Tab (no tax , Eng or Cont. applied to Items)



PS&E JOB NO: TRAIN

CONTRACT NO: 000000

WORK ORDER : XL1234

WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

ESTIMATES AND BIDS ANALYSIS SYSTEM

*** PRELIMINARY ESTIMATE - BY ITEM ***

DATE: 09/12/2007 PAGE: 1

TIME: 13:20 VER: 1

DOT-RGG100

[Project info from General Info Tab](#)
[Item Data from Bid Items Tab](#)

ITEM NO.	STD. NO.	ITEM DESCRIPTION	UNIT MEAS	UNIT PRICE	QUANTITY	AMOUNT	PRE-QUAL
PREPARATION							
1	0001	MOBILIZATION	L.S.			129,000.00	A1
2	0150	REMOVING TRAFFIC ISLAND	S.Y.	8.00	880.00	7,040.00	D6
3		REMOVING MONUMENT	EACH	300.00	3.00	900.00	O4
GRADING							
4	0310	ROADWAY EXCAVATION INCL. HAUL	C.Y.	19.00	5,342.00	101,498.00	J6
5	0332	PAVEMENT REPAIR EXCAVATION INCL. HAUL	S.Y.	9.00	505.00	4,545.00	J6
SURFACING							
6	5100	CRUSHED SURFACING BASE COURSE	TON	18.00	2,269.00	40,642.00	F6
CEMENT CONCRETE PAVEMENT							
7	5638	PORLAND CEMENT CONC. COMPLIANCE ADJUSTMENT	CALC			39,505.00	C0
8	5625	CEMENT CONC. PAVEMENT	C.Y.	165.00	4,170.00	688,050.00	C0
9		EPOXY-COATED DOWEL BARS	EACH	10.00	10,200.00	102,000.00	C0
10		HMA/PCCP TRANSVERSE JOINT	L.F.	30.00	405.00	12,150.00	C0
HOT MIX ASPHALT							
11	5739	HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 70-28	TON	120.00	175.00	21,000.00	A4
12	6514	LONGITUDINAL JOINT SEAL	L.F.	5.00	536.00	2,680.00	A4
EROSION CONTROL AND PLANTING							
13	6403	ESC LEAD	DAY	175.00	10.00	1,750.00	H0
14	6490	EROSION/WATER POLLUTION CONTROL	EST.			2,500.00	H0
TRAFFIC							
15	6806	PAINT LINE	L.F.	0.20	7,940.00	1,588.00	P6
16	6890	PERMANENT SIGNING	L.S.			1,000.00	U4
17	6912	TRAFFIC SIGNAL SYSTEM - PINES SOUTH SIGNAL SYSTEM 1	L.S.			81,000.00	W6
18		SIGNAL INTERCONNECT SYSTEM 2	L.S.			9,000.00	W6
19	6971	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.			150,000.00	W3
20	6982	CONSTRUCTION SIGNS CLASS A	S.F.	20.00	2,261.00	45,220.00	W3
OTHER ITEMS							
21		CEMENT CONC. TRAFFIC ISLAND	S.Y.	35.00	743.00	26,005.00	C8

I-90
EBASE TRAINING
PCCP I/S REHAB



SUMMARY OF QUANTITIES

ITEM NO	TOTAL QUANTITY	SUB-TOTAL * SECTION 1-07.2(1) OF STANDARD SPECS	SUB-TOTAL ** SECTION 1-07.2(2) OF STANDARD SPECS	STD. ITEM NO.	UNIT	ITEM	GROUP 1	GROUP 1	GROUP 2	GROUP 3	GROUP 4	GROUP 4	GROUP 5
							SULLIVAN SR38-83 TO SR51-21	SULLIVAN NORTH SIGNAL SYSTEM 4	PINES SOUTH SIGNAL SYSTEM 1	SULLIVAN SOUTH SIGNAL SYSTEM 2	SULLIVAN MISSION SIGNAL SYSTEM 3	SULLIVAN SR35-68 TO SR38-83	REIMBURS. FOR THIRD PARTY DAMAGE
						PREPARATION							
1	LUMP SUM		LUMP SUM	0001	L.S.	MOBILIZATION	L.S.		L.S.				
2	680.00	280.00	600.00	0150	S.Y.	REMOVING TRAFFIC ISLAND	600.00					280.00	
3	3.00		3.00		EACH	REMOVING MONUMENT	3.00						
						GRADING							
4	5342.00	1256.00	4086.00	0310	C.Y.	ROADWAY EXCAVATION INCL. HAUL	4,086.00					1,256.00	
5	505.00		505.00	0332	S.Y.	PAVEMENT REPAIR EXCAVATION INCL. HAUL			505.00				
						SURFACING							
6	2269.00	514.00	1755.00	5100	TON	CRUSHED SURFACING BASE COURSE	1,755.00					514.00	
						CEMENT CONCRETE PAVEMENT							
7	39505.00	6890.00	30615.00	5638	DOL	PORTLAND CEMENT CONC. COMPLIANCE ADJUSTMENT	30,615.00					6,890.00	
8	4170.00	944.00	3226.00	5625	C.Y.	CEMENT CONC. PAVEMENT	3,226.00					944.00	
9	10200.00	2200.00	8000.00		EACH	EPOXY-COATED DOWEL BARS	8,000.00					2,200.00	
10	405.00		405.00		L.F.	HMA/POCP TRANSVERSE JOINT	405.00						
						HOT MIX ASPHALT							
11	175.00		175.00	5739	TON	HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 70-28			175.00				
12	536.00		536.00	6514	L.F.	LONGITUDINAL JOINT SEAL	536.00						
						EROSION CONTROL AND PLANTING							
13	10.00		10.00	6403	DAY	ESC LEAD	10.00						
14	2500.00		2500.00	6490	DOL	EROSION/WATER POLLUTION CONTROL	1,500.00		1,000.00				
						TRAFFIC							
15	7940.00	1760.00	6180.00	6806	L.F.	PAINT LINE	5,340.00	500.00	340.00		600.00	1,160.00	
16	LUMP SUM		LUMP SUM	6890	L.S.	PERMANENT SIGNING	L.S.						
17	LUMP SUM		LUMP SUM	6912	L.S.	TRAFFIC SIGNAL SYSTEM - PINES SOUTH SIGNAL SYSTEM 1			L.S.				
18	LUMP SUM		LUMP SUM		L.S.	SIGNAL INTERCONNECT SYSTEM 2				L.S.			
19	LUMP SUM		LUMP SUM	6971	L.S.	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.		L.S.				
20	2261.00		2261.00	6982	S.F.	CONSTRUCTION SIGNS CLASS A	2,261.00						

Column 1

Column 2

Column 3

Column 4

Column 5

Column 6

Column 7

Quantities that appear in this column
Are that portion of any Bid Item that
Is assigned to a Group that has a **Taxable**
Control Section (see GROUPS tab, and
Page 3 of this exercise for Bid Item/Column?Group
Relationship)

Quantities that appear in this column
Are that portion of any Bid Item that
Is assigned to a Group that has a **NON-taxable**
Control Section.

PS&E JOB NO: TRAIN CONTRACT NO: 000000 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION DATE: 08/09/2007 PAGE: 1
 WORK ORDER#: XL1234 REGION NO: 0 CONTRACT ADMINISTRATION & PAYMENT SYSTEM TIME: 15:04 VER: 1
 * * * LUMP SUM BREAKDOWN * * * DOT_RGG800

ITEM STD. NO. ITEM	ITEM DESCRIPTION	UNIT MEAS	PLANNED QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED AMOUNT
1 0001		L.S.			128,000.00

0.00	0.0000	0.00
TOTAL =		0.00

Item and cost entered on Bid Items Tab

16 6890		L.S.			1,000.00
---------	--	------	--	--	----------

POST, ANCHOR, HARDWARE	EST.	1.00	700.0000	700.00
LABOR FOR SIGN RELOCATION	CRHR	3.00	100.0000	300.00
TOTAL =				1,000.00

Break Down components of BID ITEM 6890

17 6912	- PINES SOUTH SIGNAL SYSTEM 1	L.S.			81,000.00
	5C(IMSA 20-1) SIGNAL CONTROL CABLE 14AWG	L.F.	1,900.00	1.1128	2,003.04
	TYPE 7 J-BOX - ST. PLAN J-11C	EACH	4.00	660.0000	2,640.00
	EPOXY 82A, 82A1, 82B SPLICE	EACH	28.00	59.5000	1,666.00
	BACKHOE--CASE 580 SUPER K OR EQUIVALENT	HR	16.00	36.8125	589.00
	TRENCH AND BACKFILL (LABOR)	L.F.	400.00	3.0000	1,200.00
	BACKFILL (FNDTNS/ JB'S ONLY)	EACH	11.00	50.0000	550.00
	CONDUIT REMOVAL	L.F.	200.00	0.2500	50.00
	250W HPS	EACH	1.00	38.0000	38.00
	TYPE II J-BOX - ST PLAN J-11A	EACH	4.00	330.0000	1,320.00
	PUSH BUTTON ASSEMBLY, ST. PLAN J-5	EACH	2.00	229.0000	458.00
	TYPE N ARM MOUNT (ASTROBRAC/3M), ST. PLAN J-6G	EACH	8.00	140.0000	1,120.00
	SIGNAL HEADS REMOVAL	EACH	12.00	50.0000	600.00
	TYPE K, SINGLE VEH. HD SIDE MT, ST. PLAN J-6F	EACH	1.00	119.0000	119.00
	NEON GRID W/Z-CRATE VIS. (12" MAN/HAND SYMB.)	EACH	2.00	559.0000	1,118.00
	TYPE E, CLAMSHELL, ST. PLAN J-6F - LABOR ONLY	EACH	2.00	142.0000	284.00

BACK

Internal and external planholders use the Summary of Quantities to grasp the nature and Magnitude of the work

Program Managers use Preliminary Estimates to monitor and balance the overall WSDOT Program

Accounting uses the Preliminary Estimates to set up construction phase Work Orders (aka Contract #s)

Contract Ad & Award identifies the low bid by comparing bids received on the Proposal Forms against the Preliminary Estimate

Pre-qualified Contractors submit their bids on the Proposal Form

Contract Ad & Award uses Work Classification Reports to determine which contractors are eligible to bid on specific contracts

Project Offices compare bids in the Bid Check Report against the By Item Report to justify award or rejection of bids over 10% or \$50K

**END OF
FREEWAY**

